

Application No.: 10/826,805

Docket No.: JCLA12240-R

REMARKS**Present Status of the Application**

The Office Action rejected claims 1-23, 26 and 27. Specifically, the Office Action rejected claims 1-23 under 35 U.S.C. 112, first and second paragraphs. The Office Action rejected claims 1, 3-9, 12, 14-20, 23 and 26-27 under 35 U.S.C. 103(a) as being unpatentable over Murata (U. S. Patent 6,483,184) in view of Durocher et al. (U. S. Patent 6,614,103, hereinafter Durocher). The Office Action rejected claims 2, 10-11, 13 and 21-22 under 35 U.S.C. 103 (a) as being unpatentable over Murata and Durocher and in view of Applicant Admitted prior art (AAPA). Applicants have canceled claims 1-11 and 26, and amended independent claim 12. After entry of the foregoing amendments, claims 12-23 and 26-27 remain pending in the present application, and reconsideration of those claims is respectfully requested.

Discussion of Claim Rejections – 35 USC 112

Applicants have amended claims to over come the rejections under 35 U.S.C. 112.

Discussion of Claim Rejections – 35 USC 103

1. The Office Action rejected claims 1, 3-9, 12, 14-20 , 23 and 26-27 under 35 U.S.C. 103(a) as being unpatentable over Murata in view of Durocher. The Office Action rejected claims 2, 10-11, 13 and 21-22 under 35 U.S.C. 103 (a) as being unpatentable over Murata and Durocher and in view of AAPA. Applicants have cancelled claims 1-11 and 26. Applicants respectfully traverse the rejections for at least the reasons set forth below.

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2. As for example shown in FIG. 5A, Independent claim 12 includes the indentation structure. *The conductive reflection film 308a and 308b have extended to the indentation region.* In other words, the *conductive reflection film 308a and 308b* provide the function for connecting to the electrodes of the LED and also the reflection function.

3. In re Murata, the conductive layer 20 (see Fig. 1) has no the indentation. This is indeed true, because the IC *does not need* the indentation structure to form the reflection structure to lead the light. Form the light emitting mechanism, the IC of Murata is also nonanalogous to the present invention and Durocher.

4. In re Durocher, (see Fig. 6, or 12), the layer 57 on the indentation portion is just for reflection but not a part of the electrode layer. In Fig. 16, the carrier 21 with the heat sink layer 38 is also different from the present invention. The sink layer 38 is not a part of the electrode 37 for connecting the LED. In other words, Durocher does not disclose the electrode film on the indentation region for connecting to the electrode of the LED, which surely emits the light.

There is no motivation from Durocher to modify the electrode layer 20 of Murata with the indentation region.

Even if the Durocher is cited in combination with Murata by the Office Action, Durocher with Murata still at least do not disclose the foregoing features of the present invention as recited in independent claim 12.

With at least the foregoing reasons, dependent claims 14-20, 23 and 27 are not disclosed, either.

5. With respect to dependent claims 13 and 21-22, even though AAPA discloses the bumps, AAPA is still not solve the missing features in Murata with Durocher with respect to independent claim 12.

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6. For at least the foregoing reasons, Applicants respectfully submit that independent claim 12 patentably defines over the prior art references, and should be allowed. For at least the same reasons, dependent claims 13-23 and 27 patentably define over the prior art references as well.

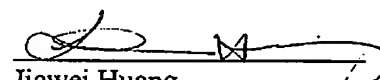
CONCLUSION

For at least the foregoing reasons, it is believed that all the pending claims 12-23 and 27 of the invention patentably define over the prior art and are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

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Respectfully submitted,
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